

**WE CLAIM:**

1. A machine (1) to perform medical analyses, **characterized** by the fact that it consists of independent modules (2, 3, 4, 35) made up of containers appropriate for receiving or holding equipment for performing medical analyses, that the independent modules (2, 3, 4, 35) present with relation to the side wall guides (6,7) and sliding rollers (5,8) that permit a reciprocal movement of the independent modules (2, 3, 4, 35), that each module has inside a conveyor belt (16, 17, 18) arranged horizontally and also one or more supporting shelves (P) for the supports (32, 33, 34) containing the samples and the components to be analyzed, that the walls of modules (2, 3, 4, 35) supported between each other, present with respect to the conveyors belts (16, 17, 18), openings or passages (21, 22, 23, 24) and that inside each of the modules there is a robot-type arm (10, 11, 12) suitable to grasp and move in a controlled fashion supports (32, 33, 34) containing samples and components.

2. A machine, according to claim 1, **characterized** by the fact that one wall of a module (2,3,4,35) shows on top a grooved sliding wheel (5) and at the bottom a guide (6) consisting of a flat strip and by the fact that each opposite wall of the adjacent module (2, 3, 4, 35) shows on top a guide (7) consisting of a flat strip and at the bottom a grooved sliding wheel (8).

3. A machine, according to claim 1, **characterized** by the fact that each module (2, 3, 4, 35) has inside a robot-type arm (10, 11, 12) and that each robot-type arm is equipped with controllable tongs (13, 14, 15) to grab interchangeable accessories to act on the content of the supports, to grasp, dispense, suck, measure and move and that each robot-type arm (10, 11, 12) can be moved in a controllable fashion in a horizontal plane, in a vertical plane, and that it can also perform controlled rotating movements.

4. A machine, according to claim 1, **characterized** by the fact that the openings (21, 22, 23, 24) made in the side walls of the modules (2, 3, 4, 35) can be closed off using removable doors (19, 20).

5. A machine, according to claim 1, **characterized** by the fact that each conveyor belt (16, 17, 18) is supported by a pair of drive rollers (26, 27, 28, 29, 30, 31) and that always one of the rollers, connected to each belt (16, 17, 18) is hooked up for operation to a controllable drive motor.

6. A machine, according to claim 1, **characterized** by the fact that inside a module (35) shelves (39, 40) are installed vertically, that each shelf (39, 40) can receive containers (32, 33, 34) or plates for samples to be analyzed and that inside the module (35) there is a movable lifting device (41) that is controlled (f, g) in a vertical plane for the selected lifting of plates or containers off the shelves (39, 40).

7. A machine, according to claim 1, **characterized** by the fact that a module (50) has a chamber (51) for holding spare containers (52, 53, 54) that hold liquids such as thinners, detergents or other substances for treatment.

8. A machine according to claim 1 **characterized** by the fact that the belt (16, 17, 18) of a modular container (2, 3, 4) is located on the same level as the corresponding support shelf (P).